FUNCTION: Radio Communication at the operation level

COMPETENCE	LEARNING	METHODS FOR	CRITERIA FOR EVALUATING COMPETENCE
	OBJECTIVE	DEMONSTRATING	
		COMPETENCE	
POWER UP UNIT	3.4.1	USE APPROVED EQUIPMENT	UNIT IS ON AND READY FOR PROGRAMMING
		OR	
		GMDSS SIMULATOR	
ADJUST VOLUME AND	3.4.3	USE APPROVED EQUIPMENT	DEMONSTRATE ABILITY TO PROPERLY ADJUST
SQUELCH CONTROLS FOR		OR	SQUELCH
PROPER OPERATION		GMDSS SIMULATOR	
SET UNIT TO A GIVEN	3.4.3	USE APPROVED EQUIPMENT	SET UNIT TO XMIT/RECEIVE FREQUENCY FOR NUMBER OF ORDER ATTACKS AND TO SEE THE SECOND AND TO SEE THE SECOND AND TO SECOND A
TRANSMIT AND RECEIVE		OR	INTENDED MODE OF OPERATION AND
FREQUENCY DESIGNATED BY THE EVALUATOR		GMDSS SIMULATOR	PROPAGATION CONDITIONS FOR SCENARIO DESCRIBED BY EXAMINER.
SET HIGH, MEDIUM AND	3.4.3	USE APPROVED EQUIPMENT	DESCRIBED BY EXAMINER. DEMONSTRATE ABILITY TO SET UNIT TO HIGH,
LOW POWER	3.4.3	OR	MEDIUM OR LOW POWER
LOW TOWER		GMDSS SIMULATOR	DESCRIBE CONDITIONS AND CIRCUMSTANCES
		GWIDDS SIMICLATION	WHEN LOW POWER SHOULD BE USED
ABILITY TO USE ITU	3.4.3	USE APPROVED EQUIPMENT	RECALL AND MAKE ACTIVE AN ITU CHANNEL PAIR
MEMORY FUNCTION		OR	FROM MEMORY
		GMDSS SIMULATOR	
PROPERLY TUNE XMTR	3.4.3	USE APPROVED EQUIPMENT	DEMONSTRATE ABILITY TO PROPERLY TUNE
		OR	TRANSMITTER AND ANTENNA COUPLER TO
		GMDSS SIMULATOR	FREQUENCY SPECIFIED BY EXAMINER
CONFIRM POSITION INPUT IS	3.4.1	USE APPROVED EQUIPMENT	DEMONSTRATE ABILITY TO CONFIRM THAT UNIT IS
AVAILABLE AND CORRECT		OR	FITTED WITH POSITION DATA INPUT
		GMDSS SIMULATOR	IF FITTED DEMONSTRATE HOW TO CONFIRM DATA
			IS PRESENT AND CORRECT
MANUAL POSITION INPUT	3.4.1	USE APPROVED EQUIPMENT	DEMONSTRATE HOW TO INPUT POSITION
		OR	MANUALLY
		GMDSS SIMULATOR	

TRANSMIT CALL USING EACH OF THE FOLLOWING MODES RT FEC ARQ	3.4.3	 USE APPROVED EQUIPMENT OR GMDSS SIMULATOR 	 DEMONSTRATE PROPER SELECTION OF FREQUENCY PAIR FROM APPROPRIATE REFERENCE BOOK FOR EACH MODE PROPERLY SET UP TRANSMITTER AND RECEIVER USE PROPER PROTOCOL, FREQUENCY AND PROCEDURE FOR TIME OF DAY, RANGE AND
			CONDITIONS • MAKE PROPER LOG ENTRY
UNDERSTANDS USE AND LIMITATIONS OF MMSI	3.4.1 3.1.3	USE APPROVED EQUIPMENT OR GMDSS SIMULATOR	 DEMONSTRATE ABILITY TO CHECK THAT PROPER USER MMSI IS INSTALLED DESCRIBES TO EXAMINER THE LIMITS ON NUMBER OF TIMES THAT MMSI CAN BE CHANGED
ABLE TO PROGRAM MMSI DIRECTORY	3.4.1 3.1.8	 USE APPROVED EQUIPMENT OR GMDSS SIMULATOR 	PROGRAM A NINE DIGIT MMSI AND STATION NAME INTO UNIT DIRECTORY
ABILITY TO TRANSMIT A DSC CALL	6.3.3	 USE APPROVED EQUIPMENT OR GMDSS SIMULATOR 	USING THE MF AND HF EQUIPMENT DEMONSTRATE THE ABILITY TO PLACE A DSC CALL TO A STATION SPECIFIED BY THE EXAMINER
ACTIVATE A DISTRESS ALERT	5.2.1	USE APPROVED EQUIPMENT ORGMDSS SIMULATOR	USING A DUMMY LOAD OR SIMULATOR SET UP AND ACTIVATE A DISTRESS ALERT ON A MULTIPLE FREQUENCY FROM THE BUILT IN MENU
INITIATE A DISTRESS RELAY	5.2.1	USE APPROVED EQUIPMENT OR GMDSS SIMULATOR	USING PROPER PROTOCOLS, PROCEDURES, TRANSMIT A DISTRESS RELAY OF AN RECEIVED DISTRESS ALERT USING THE CONDITIONS DESCRIBED BY THE EXAMINER
TRANSMIT A DISTRESS MESSAGE	5.2.1	USE APPROVED EQUIPMENT OR GMDSS SIMULATOR	USING A DUMMY LOAD OR PREFERABLY A SIMULATOR DRAFT AND DEMONSTRATE HOW TO TRANSMIT A DISTRESS MESSAGE USING PROPER TERMINOLOGY & PROCEDURES

ACKNOWLEDGE A DISTRESS	5.2.1	USE APPROVED EQUIPMENT	SEND AN ACKNOWLEDGMENT TO A MEDIUM
MESSAGE	3.2.1	_	
MESSAGE		OR	FREQUENCY DISTRESS MESSAGE & EXPLAIN ITS
		GMDSS SIMULATOR	MEANING.
ABILITY TO TRANSMIT AN	5.2.3	USE APPROVED EQUIPMENT	DEMONSTRATE HOW TO SET UP AND TRANSMIT AN
ALL SHIPS CALL		OR	ALL SHIPS CALL INTO A <u>DUMMY LOAD</u> (OR
		GMDSS SIMULATOR	SIMULATOR)
DEMONSTRATE	5.2.3	USE APPROVED EQUIPMENT	ACCESS THE DISTRESS DATA DIRECTORY AND
KNOWLEDGE OF DISTRESS		OR	RETRIEVE THE INFORMATION
DATA DIRECTORY		GMDSS SIMULATOR	
TRANSMIT AN AUTOMATIC	5.2.3	USE APPROVED EQUIPMENT	DEMONSTRATE AND EXPLAIN THE USE OF THE
DISTRESS ALERT		OR	"DISTRESS BUTTON " ON SIMULATOR OR INTO A
		GMDSS SIMULATOR	DUMMY LOAD
ABILITY TO INITIATE AND	3.4.3	USE APPROVED EQUIPMENT	INITIALIZE SELF TEST PROGRAM
PROPERLY ACT ON RESULTS	3.5.1	OR	ANALYZE RESULTS
OF SELF TEST		GMDSS SIMULATOR	TAKE APPROPRIATE ACTION SUCH AS REPORTING
			TO MASTER
			PRINT OUT OR RECORD TEST REPORT RESULTS
ENTER SPECIFIED TRANSMIT	3.4.3	USE APPROVED EQUIPMENT	DEMONSTRATE ABILITY TO ENTER MANUALLY A
AND RECEIVE FREQ.		OR	TRANSMIT AND RECEIVE FREQUENCY SPECIFIED BY
		GMDSS SIMULATOR	THE EXAMINER
TRANSMIT A NON DISTRESS	5.2.2	USE APPROVED EQUIPMENT	DEMONSTRATE THE ABILITY TO PROPERLY INITIATE
ALL SHIPS CALL		OR	AND COMPLETE AN ALL SHIP CALL WITH SUPPLIED
		GMDSS SIMULATOR	TEXT TO SHIPS WITHIN A SPECIFIED AREA
COMPOSE A MESSAGE	6.3.4	USE APPROVED EQUIPMENT	DEMONSTRATE THE ABILITY TO CORRECTLY USE
USING KEYBOARD		OR	THE KEYBOARD TO COMPOSE AND PREPARE A
		GMDSS SIMULATOR	MESSAGE
DEMONSTRATE	5.2.1	USE APPROVED EQUIPMENT	DEMONSTRATE THE PROPER PROCEDURE TO USE TO
PROCEDURES TO MITIGATE	5.4.2	OR	MITIGATE OR CANCEL A FALSE ALERT.
A FALSE ALERT		GMDSS SIMULATOR	

DEMONSTRATE COMPLETE PROCESS OF EXECUTING A NORMAL MESSAGE TO A	6.3.3 6.3.4	USE APPROVED EQUIPMENT ORGMDSS SIMULATOR	•	DEMONSTRATE THE PROPER OPERATIONAL TECHNIQUES TO INITIATE, TRANSMIT AND CONCLUDE A NORMAL MESSAGE TO A SHORE
SHORE STATION				STATION
UNDERSTAND THE RELATION OF FREQUENCY, RANGE, POWER, AND TIME IN TRANSMITTING A MESSAGE	1.1.1 2.1.1 2.1.3 2.1.4 3.4.3 3.4.5	 USE APPROVED EQUIPMENT OR GMDSS SIMULATOR 	•	IS ABLE TO DESCRIBE TO EXAMINER THE NORMAL OPERATING RANGE OF MF/HF UNIT AND CIRCUMSTANCES WHICH INCREASE OR DECREASE RANGE
ABILITY TO POWER DOWN UNIT	3.4.3	 USE APPROVED EQUIPMENT OR GMDSS SIMULATOR	•	DEMONSTRATE ABILITY TO SECURE POWER TO UNIT INCLUDING DELAY TIMES OR SEQUENCES REQUIRED
KNOWLEDGE OF UNIT RANGE	6.3.1	WRITTEN EXAM	•	DESCRIBES THE RANGE TO BE EXPECTED IN A GIVEN SITUATION PRESENTED BY EXAMINER INCLUDING TIME OF DAY, DISTANCE TO STATION, POWER, FREQUENCY.